

# ThinkPad T470p Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 / i7 Processor								Dimensions  Weight	WxDxH (FHD): 13.35" x 9.25" x 0.94"; 339mm x 235mm x 24mm		
										WxDxH (WQHD): 13.35" x 9.25" x 0.96"; 339mm x 235mm x 24.4mm		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Models	3-cell	6-cell
	i5-7300HQ	4	4	2.5 GHz	3.5 GHz	6MB	DDR4-2400	Intel HD Graphics 630		Integrated model	3.83 lb / 1.74 kg	4.16 lb / 1.89 kg
	i5-7440HQ			2.8 GHz	3.8 GHz	6MB				Discrete model	4.01 lb / 1.82 kg	4.33 lb / 1.96 kg
i7-7700HQ	8	8	2.8 GHz	3.8 GHz	6MB							
i7-7820HQ			2.9 GHz	3.9 GHz	8MB							
Graphics	Intel HD Graphics 630 in processor only, or Intel HD Graphics 630 in processor and NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory; supports external digital monitor via HDMI or Mini DisplayPort; supports three independent displays; Max resolution: 4096x2304 @60Hz (DisplayPort via Mini DisplayPort cable); 4096x2160 @24Hz (HDMI)								Case color	Black		
Chipset	Mobile Intel QM175 Chipset								Case material	Display cover: PC/ABS plastic; Bottom: Magnesium alloy		
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Smart card reader	Optional: Smart card reader		
Display	Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)		
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								Ports	Three USB 3.1 Gen 1 (USB 3.0, one Always On), HDMI 1.4b, Mini DisplayPort 1.2a, Ethernet (RJ-45), Dock connector		
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN								Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter MiniDP to DP: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable		
Optical	None								Camera	HD720p resolution, fixed focus		
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack		
WLAN	One of the following, configurable by model: • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card								Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight		
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter * Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad		
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card								Security	Power-on password, hard disk password, supervisor password, security keyhole		
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card								Security chip	Discrete TPM 2.0, TCG Certified		
									vPro (optional)	Intel vPro Technology		
									Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel		
									NFC	None		
									Battery	Li-Ion 3-cell (24Wh) or 6-cell (48Wh or 72Wh)		
									Max battery life	MobileMark® 2014: 12.85 hr		
									AC adapter	90W or 135W slim tip AC adapter		
									Preload	Some: Windows® 10 Home 64 Some: Windows 10 Pro 64 • Lenovo Companion • Lenovo Setting • Microsoft® Office preloaded; purchase a product key to activate		
									Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service		
									Mil-Spec test	MIL-STD-810G military certification		
									Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant		